

HERBERT HOOVER DIKE REHABILITATION PROJECT

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US Army Corps of Engineers
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Briefing Purpose



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Update on the Herbert Hoover Dike (HHD) Rehabilitation Project and impacts to the Lake Okeechobee Scenic Trail

- **HHD Dam Safety Modification Study**
 - Identify areas where action is recommended
 - Proposed remediation measures for actionable areas
- **Approved projects**
- **Implementation timeline**
- **Lake Okeechobee Regulation Schedule**
- **Lake Okeechobee Scenic Trail Impacts**



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Dam Safety Modification Study

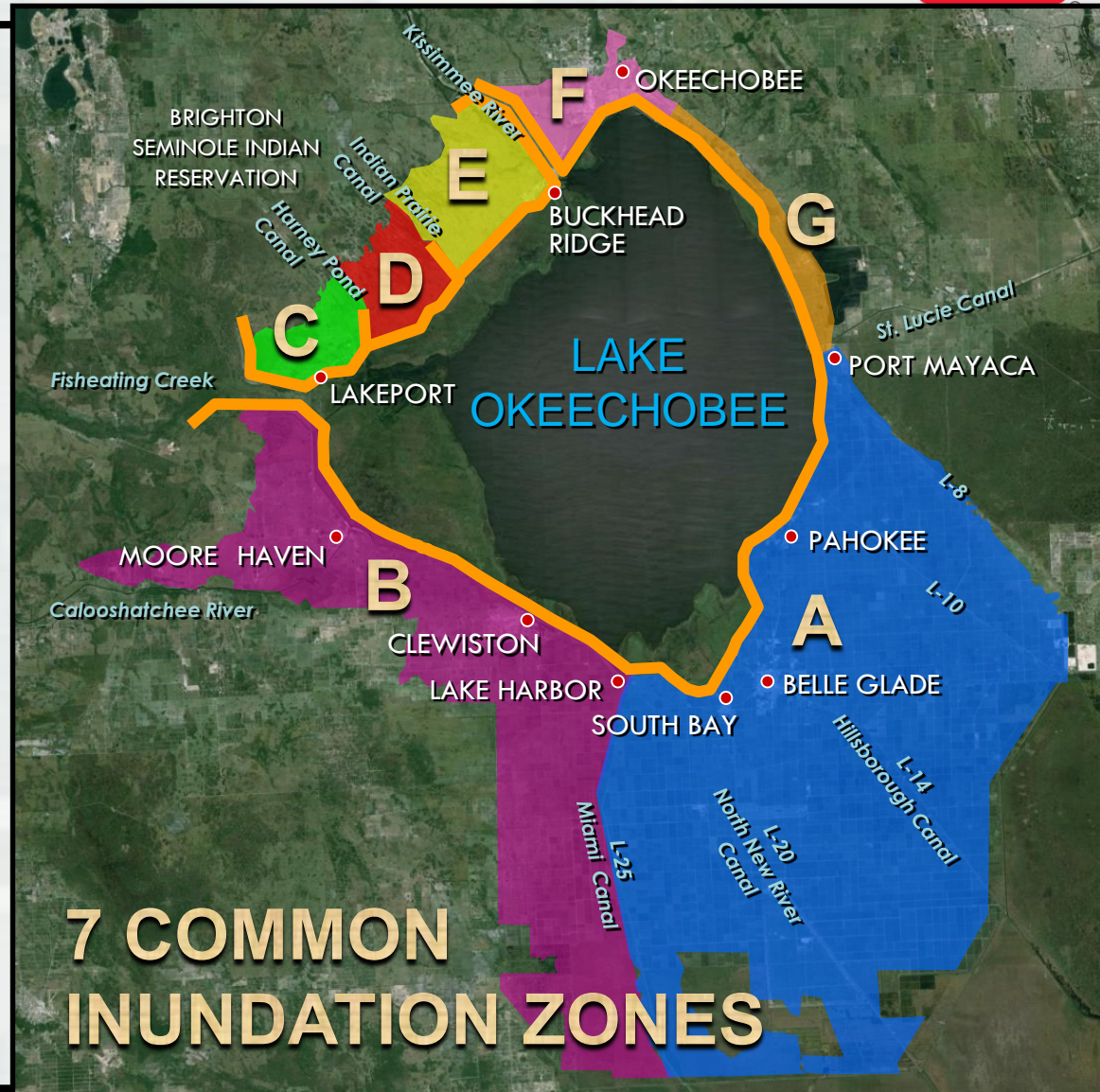


Risk Assessment – Analysis performed on 32 dam segments within the 7 common inundation zones to identify and prioritize remediation

Modification Report – TSP in December 2015 with final report by the end of summer 2016

Impact – Final measures to reduce the risks for the entire system around the lake

- FEMA accreditation by inundation zone in 2016
- Construction project implementation in 2019
- Opportunity to begin regulation schedule study



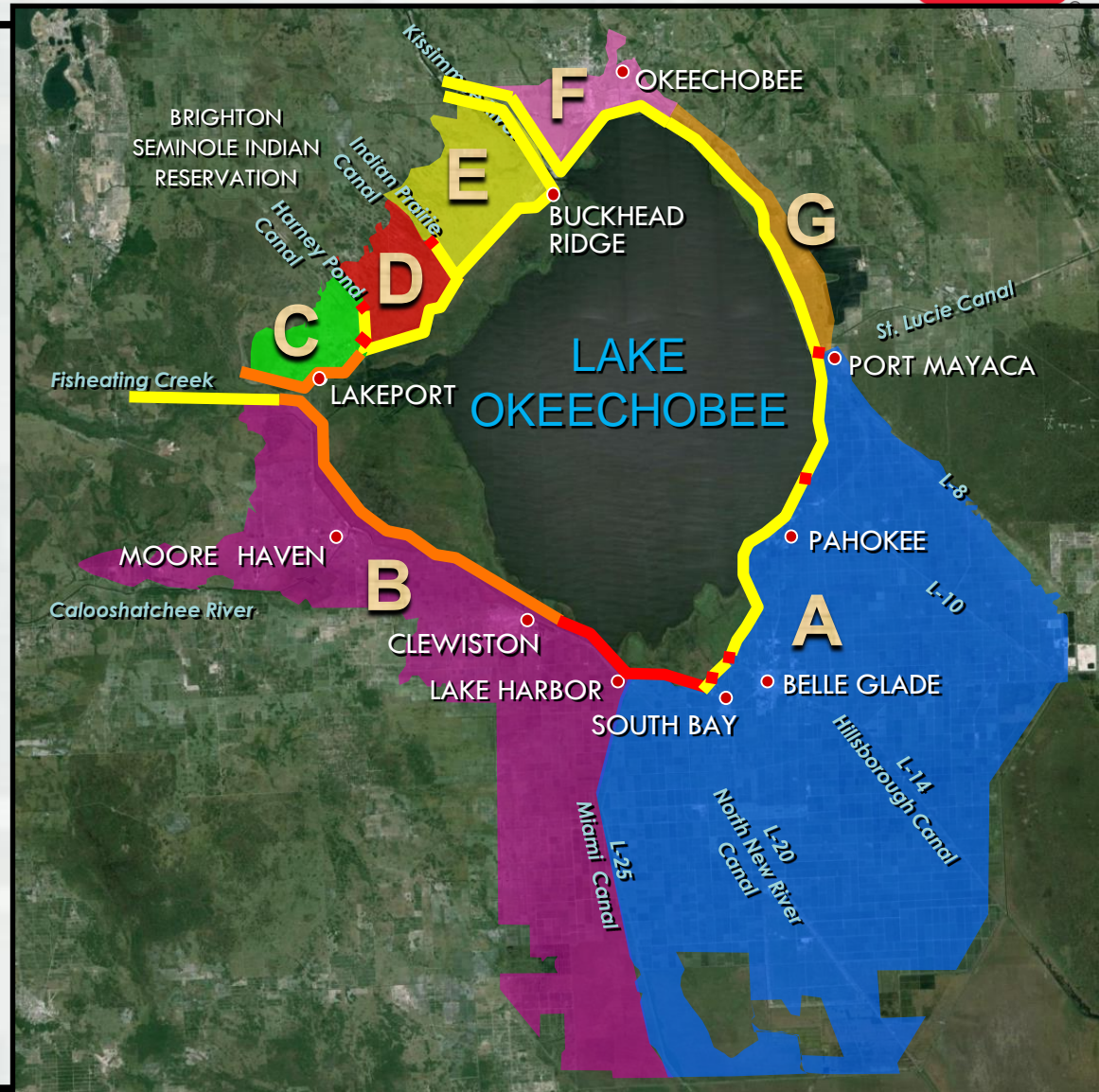


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Relative Probability of Failure



Increasing Probability of Failure







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Tentatively Selected Plan



-  Requires Remediation for Internal Erosion Risk
-  Requires Remediation for Overwash Risk

Common Inundation Zone B

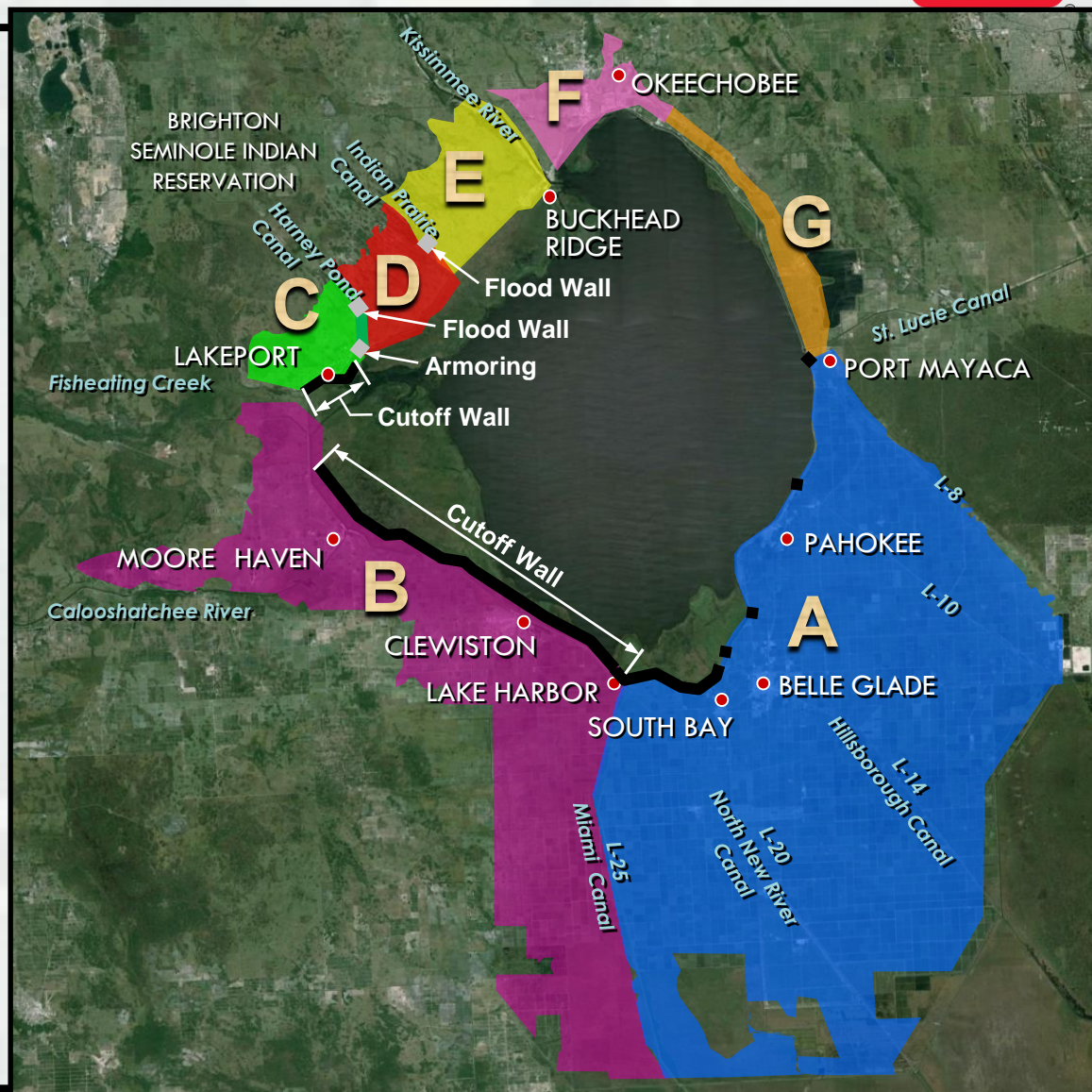
- 24.5 miles of cutoff wall

Common Inundation Zone C

- 4.1 miles of cutoff wall
- Harney Pond bridge abutment armoring

Common Inundation Zone D

- S-71 embankment flood wall
- S-72 embankment flood wall

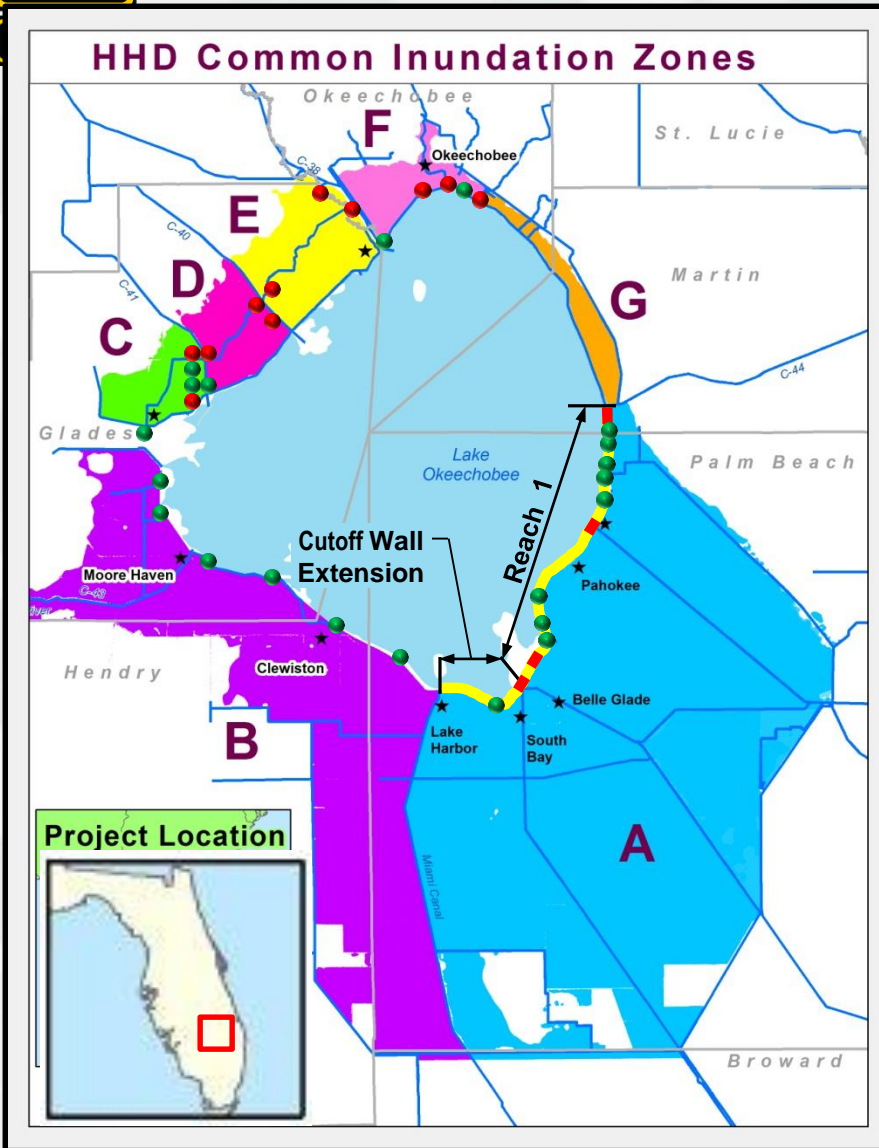




Approved Projects



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Completed

- 21.4 miles of cutoff wall in Reach 1
- 1 culvert removal and 2 replacements

Ongoing

- 18 culvert replacements

Planned

- 6.6 mile cutoff wall extension
- 8 culvert replacements
- 3 culvert abandonments
- Cutoff wall gap closures in 4 locations

- Cutoff Wall Completed/Planned
- Cutoff Wall Gap Closures Planned
- Culvert Replacements Ongoing
- Culvert Replacements/Abandonments Planned



Implementation Timeline



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Water Control Structures (Culverts)

- Southern part of HHD completed by 2020
- Northern part of HHD completed by 2022

Reach 1 Cutoff Wall Gap Closure

- Construction from 2016 to 2018

Reach 1 Cutoff Wall Extension

- Construction from 2017 to 2020

Dam Safety Modification Report (DSMR)

- Draft EIS public review period begins on 24 Dec 2015
- Draft EIS public review period ends on 23 Feb 2016
- DSMR approval by the summer of 2016
- Construction start in 2019 with expected duration of 5 to 7 years (prioritization and funding dependent)





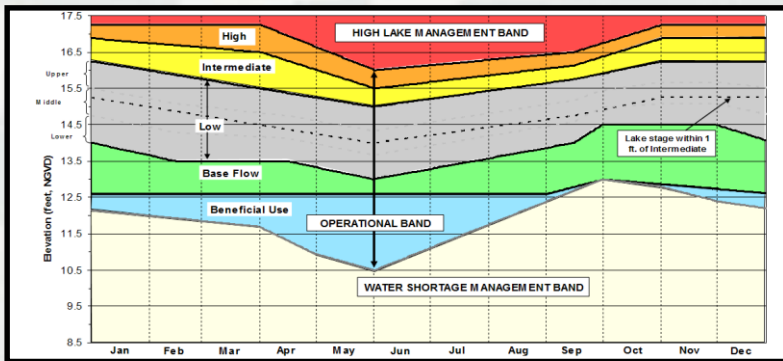
Lake Regulation Schedule



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- Dam Safety Modification Study Risk Assessment utilized the current Lake Okeechobee Regulation Schedule (LORS)
- Proposed revisions to the current LORS will require an updated risk evaluation and a future lake regulation study for informed decision making
- A study for a new regulation schedule could be undertaken concurrently while risk reduction features identified in the DSMR are constructed
- A revised regulation schedule is not expected before 2020 and the timeline for implementation of any new regulation schedule will depend on the magnitude of change from the current LORS

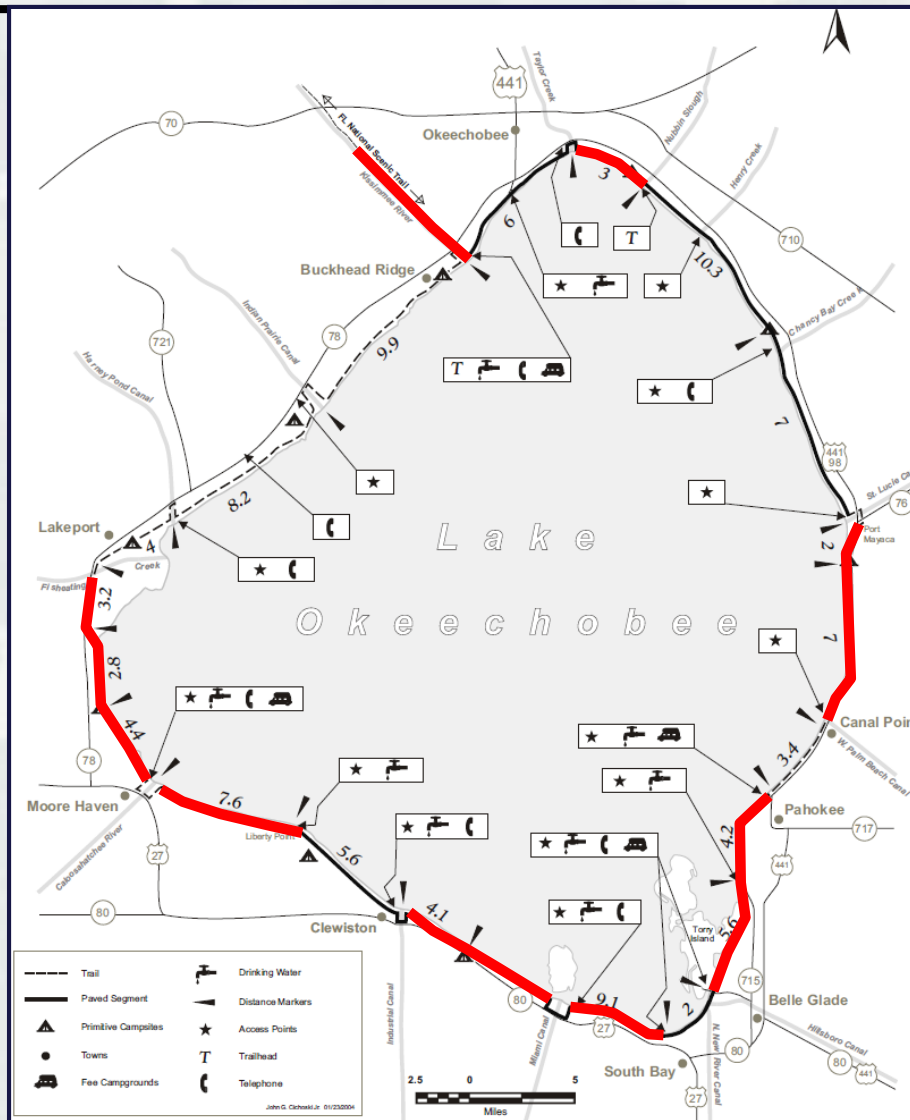




LOST Current Closures



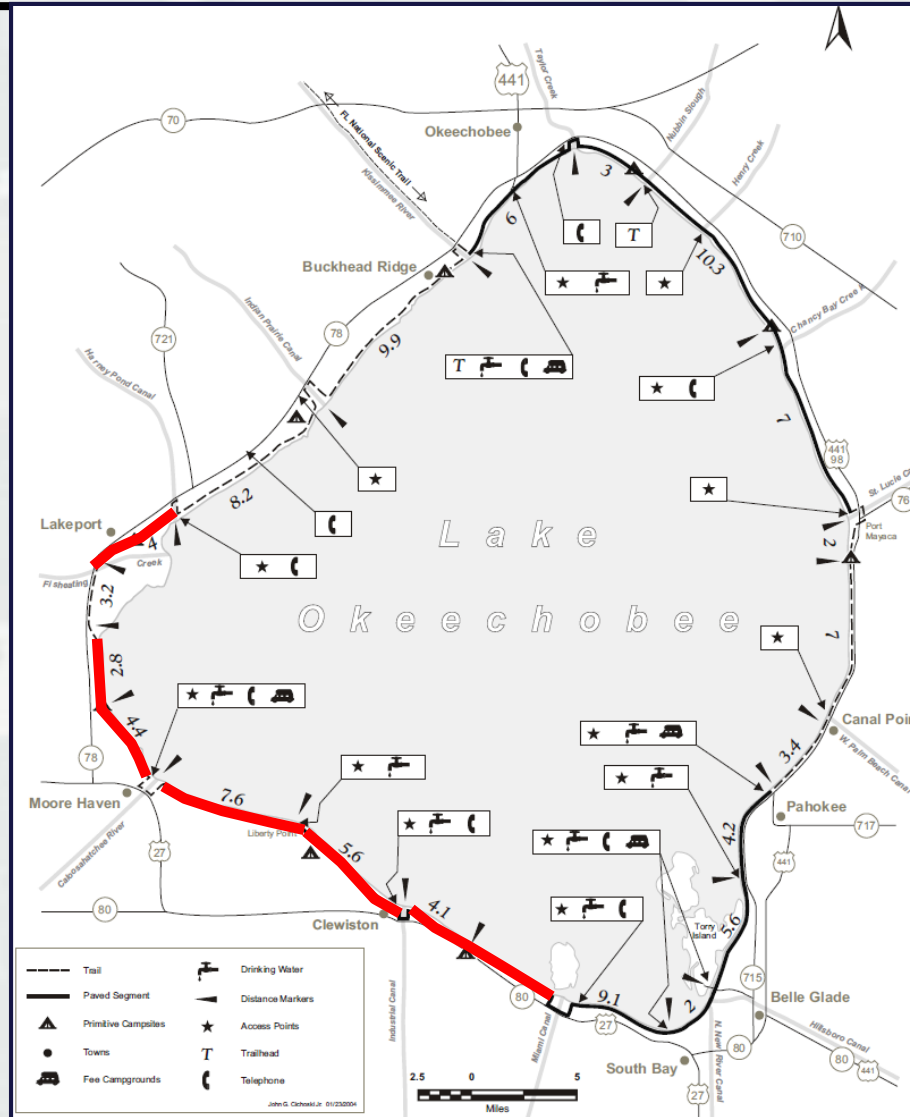
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LOST Proposed DSMS Closures





NEPA Review Timeline



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Draft Environmental Impact Statement (EIS) review:

- Published in the Federal Register to begin the public review period on 24 Dec 2015
- Public review period ends and comments received by 23 Feb 2016
- Hard copies of the draft EIS can be accessed at local libraries:
 - Glades County Library
 - Hendry County – Barron Library, Harry T. Vaughn Library
 - Martin County – Blake Library, Elisabeth Lahti Library
 - Okeechobee County Public Library
 - Palm Beach County Library – Main Branch, Belle Glade Branch, Loula V. York Branch, Clarence E. Anthony Branch
- An electronic version of the draft EIS is available by selecting Glades, Hendry, Martin, Okeechobee or Palm Beach Counties using the following link:

<http://www.saj.usace.army.mil/About/DivisionsOffices/Planning/EnvironmentalBranch/EnvironmentalDocuments.aspx>

The final EIS public review is planned for the spring of 2016